

**WE CLAIM:**

1. A method of automatically locating and connecting a wireless communications device to a Internet Protocol (IP) network, comprising the steps of:

receiving an IP packet from a terminal on said network at a home agent;

said home agent transmitting an access-request message to an authentication server, said

5 access-request message comprising a destination IP address found in said IP packet;

said authentication server responsively issuing an access-accept message to said home agent if said device is authorized to receive said IP packet, said access-accept message comprising information uniquely identifying said device;

said home agent transmitting an Address Resolution Protocol packet containing said information uniquely identifying said device on said network to a mobile node location server, said mobile node location server maintaining a table mapping IP addresses for a plurality of mobile communication devices to information uniquely identifying said devices;

in the event that an IP address for said device is not found by said mobile node location server in said table, responsively paging said device via a wireless communication network, and

15 said device responding to said page and thereby initiating a connection via said wireless communication network to said IP network whereby said IP packet may be transmitted to said device.

2. The method of claim 2, wherein said mobile node location server comprises a network access server coupling said wireless communication server to IP network.

5 3. The method of claim 1, wherein said device initiates a connection with said IP network via said network access server.

4. The method of claim 1, wherein said access-accept message specifies a local area network as the network to use to locate said device.

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5. The method of claim 1, wherein said access-accept message specifies a signaling system 7 network at the network to use to locate said device.

6. The method of claim 1, wherein said step of paging comprises the step of sending a call set-up message to an element in said wireless communications network to page said device.

7. A method of automatically locating and connecting a wireless communications device to an Internet Protocol (IP) network, comprising the steps of:

receiving an IP packet from a terminal on said network at a home agent;

said home agent transmitting an access-request message to an authentication server, said

5 access-request message comprising a destination IP address found in said IP packet;

said authentication server responsively issuing an access-accept message to said home agent if said device is authorized to receive said IP packet, said access-accept message comprising information uniquely identifying said device;

said home agent transmitting a query message to a home location register node on a

10 Signaling System 7 network, said home agent responsively replying to said home agent with

location information for said device;

paging said device via a wireless communications network; and

in response to said page, said device initiating a connection via said wireless communications network to said IP network whereby said IP packet may be transmitted to said device.

8. The method of claim 7, further comprising the step of sending a call set-up message from said home agent to a mobile switching center for said wireless communications network to initiate said paging of said device.

9. The method of claim 8, wherein said device initiates said connection via a network access server coupling said wireless communications network to said IP network.

10. A method of connecting a mobile wireless communications device to an Internet Protocol (IP) network, said wireless communications device being a subscriber to a wireless communications network, comprising the steps of:

authenticating said device to determine whether said device is authorized to receive an IP packet from a terminal connected either directly or indirectly to said IP network;

searching, with a location server on said IP network, for an existing IP address for routing said IP packet to said device when an IP packet is received by a node in said IP network destined for said device;

if said step of searching results in a negative result, responsively paging said device via said wireless communications network; and

Year	Age	Sex	Weight (kg)	Length (cm)	Condition	Notes
1991	10	♂	10.5	110	Good	
1992	11	♂	11.5	115	Good	
1993	12	♂	12.5	120	Good	
1994	13	♂	13.5	125	Good	
1995	14	♂	14.5	130	Good	
1996	15	♂	15.5	135	Good	
1997	16	♂	16.5	140	Good	
1998	17	♂	17.5	145	Good	
1999	18	♂	18.5	150	Good	
2000	19	♂	19.5	155	Good	
2001	20	♂	20.5	160	Good	
2002	21	♂	21.5	165	Good	
2003	22	♂	22.5	170	Good	
2004	23	♂	23.5	175	Good	
2005	24	♂	24.5	180	Good	
2006	25	♂	25.5	185	Good	
2007	26	♂	26.5	190	Good	
2008	27	♂	27.5	195	Good	
2009	28	♂	28.5	200	Good	
2010	29	♂	29.5	205	Good	
2011	30	♂	30.5	210	Good	
2012	31	♂	31.5	215	Good	
2013	32	♂	32.5	220	Good	
2014	33	♂	33.5	225	Good	
2015	34	♂	34.5	230	Good	
2016	35	♂	35.5	235	Good	
2017	36	♂	36.5	240	Good	
2018	37	♂	37.5	245	Good	
2019	38	♂	38.5	250	Good	
2020	39	♂	39.5	255	Good	
2021	40	♂	40.5	260	Good	
2022	41	♂	41.5	265	Good	
2023	42	♂	42.5	270	Good	
2024	43	♂	43.5	275	Good	
2025	44	♂	44.5	280	Good	
2026	45	♂	45.5	285	Good	
2027	46	♂	46.5	290	Good	
2028	47	♂	47.5	295	Good	
2029	48	♂	48.5	300	Good	
2030	49	♂	49.5	305	Good	
2031	50	♂	50.5	310	Good	
2032	51	♂	51.5	315	Good	
2033	52	♂	52.5	320	Good	
2034	53	♂	53.5	325	Good	
2035	54	♂	54.5	330	Good	
2036	55	♂	55.5	335	Good	
2037	56	♂	56.5	340	Good	
2038	57	♂	57.5	345	Good	
2039	58	♂	58.5	350	Good	
2040	59	♂	59.5	355	Good	
2041	60	♂	60.5	360	Good	
2042	61	♂	61.5	365	Good	
2043	62	♂	62.5	370	Good	
2044	63	♂	63.5	375	Good	
2045	64	♂	64.5	380	Good	
2046	65	♂	65.5	385	Good	
2047	66	♂	66.5	390	Good	
2048	67	♂	67.5	395	Good	
2049	68	♂	68.5	400	Good	
2050	69	♂	69.5	405	Good	
2051	70	♂	70.5	410	Good	
2052	71	♂	71.5	415	Good	
2053	72	♂	72.5	420	Good</	